



Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet 1 of 4

Complete if Known	
Application No.	10/621,872
Filing Date	July 16, 2003
First Named Inventor	Ming-Hsuan Yang
Art Unit	2621
Examiner Name	Unknown
Attorney Docket Number	23085-07128

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document No.	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
HY	A	US 6,112,195	8-29-2000	Burges
I	B	US RE. 36,041	1-12-1999	Turk, et al.
DY	C	US 5,710,833	1-20-1998	Moghaddam, et al.
HY	D	US 5,164,992	11-17-1992	Turk, et al.

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ²
HY	E	WO 03/049033 A1	6-12-2003	Honda Giken Kogyo Kabushiki Kaisha	

OTHER REFERENCES – NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
HY	F	ADINI, YAEL et al., "Face Recognition: The Problem of Compensating for Changes in Illumination Direction," IEEE Transactions on Pattern Analysis and Machine Intelligence (July 1997), Vol. 19, No. 7, pp. 721-732.	
HY	G	BARTLETT, MARIAN STEWART, "Face Image Analysis by Unsupervised Learning and Redundancy Reduction," Doctoral Dissertation at University of California at San Diego (1998).	
HY	H	BARTLETT, MARIAN STEWART, "Independent Component Representations for Face Recognition," Proceedings of the SPIE Symposium on Electronic Imaging: Science and Technology; Conference on Human Vision and Electronic Imaging III, San Jose, CA (January 1998), pp. 528-539.	
HY	I	BARTLETT, MARIAN STEWART et al., "Viewpoint Invariant Face Recognition Using Independent Component Analysis and Attractor Networks," Advances in Neural Information Processing Systems (1997), Vol. 9 pp. 817-823.	

Examiner Signature		Date Considered	2/7/2007
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PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0851-0031
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Sheet 2 of 4

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KT	J	BAUDAT, G. et al, "Generalized Discriminant Analysis Using a Kernel Approach," Neural Computation (2000), Vol. 12, pp. 2385-2404.	
KT	K	BELHUMEUR, PETER N. et al., "Eigenfaces vs. Fisherfaces: Recognition Using Class Specific Linear Projection," IEEE Transactions on Pattern Analysis and Machine Intelligence (July 1997), Vol. 19, No. 7, pp. 711-720.	
KT	L	BELL, ANTHONY J. et al., "An Information-Maximisation Approach to Blind Separation and Blind Deconvolution," Neural Computation (1995), Vol.7, No. 6, pp. 1004-1034.	
KT	M	BISHOP, CHRISTOPHER M. et al., "Non-linear Bayesian Image Modelling," Proceedings of the Sixth European Conference on Computer Vision (2000), Vol. 1, pp 3-17.	
KT	N	FREY, BRENDAN J. et al., "Mixtures of Local Linear Subspaces for Face Recognition," Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition (June 1998), pp. 32-37.	
KT	O	HYVÄRINEN, AAPO et al., "A Fast Fixed-Point Algorithm for Independent Component Analysis," Neural Computation (1997), Vol. 9, No. 7, pp. 1483-1492.	
KT	P	LI, YONGMIN et al., "Dynamic Face Recognition Using Identity Surfaces" [online], [retrieved on March 11, 2002]. Retrieved from the Internet: <URL: http://www.dai.ed.ac.uk/CVonline/LOCAL_COPIES/LI1/idsurf>.	
KT	Q	LI, YONGMIN et al., "Extracting Discriminant Features of Faces Using Kernel Discriminant Analysis," [online], [retrieved on March 11, 2002]. Retrieved from the Internet: <URL: http://www.dcs.qmul.ac.uk/~yongmin/kda/index.html>.	
KT	R	LIU, CHENGJIN et al., "Evolutionary Pursuit and Its Application to Face Recognition," IEEE Transactions of Pattern Analysis and Machine Intelligence (June 2000), Vol. 22, No. 6, pp. 570-582.	
KT	S	MARTINEZ, ALEIX M. et al., "PCA versus LDA," IEEE Transactions on Pattern Analysis and Machine Intelligence (February 2001), Vol. 23, No. 2, pp. 228-233.	
KT	T	MIKA, SEBASTIAN et al., "A Mathematical Programming Approach to the Kernel Fisher Algorithm," Advances in Neural Information Processing Systems (2001), Vol. 13, pp. 591-597.	
KT	U	MIKA, SEBASTIAN et al., "Fisher Discriminant Analysis With Kernels," Proceedings of IEEE Neural Networks for Signal Processing IX (June 1999), pp 41-48.	

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KY	V	MIKA, SÉBASTIAN et al., "Invariant Feature Extraction and Classification in Kernel Spaces," Advances in Neural Information Processing Systems (2000), Vol. 12, pp. 526-532.	
KY	W	MOGHADDAM, BABACK, "Principal Manifolds and Bayesian Subspaces for Visual Recognition," Proceedings of the Seventh IEEE International Conference on Computer Vision (1999), pp. 1131-1136.	
KY	X	MOGHADDAM, BABACK, "Probabilistic Visual Learning for Object Representation," IEEE Transactions on Pattern Analysis and Machine Intelligence (July 1997), Vol. 19, No. 7, pp. 696-710.	
KY	Y	PHILLIPS, P. JONATHAN, "Support Vector Machines Applied to Face Recognition," Advances in Neural Information Processing Systems (1998), Vol. 11, pp. 803-809.	
KY	Z	PHILLIPS, P. JONATHAN, "The FERET Evaluation Methodology for Face-Recognition Algorithms," IEEE Transactions on Pattern Analysis and Machine Intelligence (October 2000), Vol. 22, No. 10, pp. 1090-1104.	
KY	AA	PLATT, JOHN C. et al., "Large Margin DAGs for Multiclass Classification," Advances in Neural Information Processing Systems (2000), Vol. 12, pp. 547-553.	
KY	BB	ROTH, VOLKER et al., "Nonlinear Discriminant Analysis Using Kernel Functions," Advances in Neural Information Processing Systems (2000), Vol. 12, pp. 568-574.	
KY	CC	ROWEIS, SAM T. et al., "Nonlinear Dimensionality Reduction by Locally Linear Embedding," Science (December 22, 2000), Vol. 290, No. 5500, pp. 2323-2326.	
KY	DD	SCHÖLKOPF, BERNHARD et al., "Input Space Versus Feature Space in Kernel-Based Methods," IEEE Transactions on Neural Networks (September 1999), Vol. 10, No. 5, pp. 1000-1017.	
KY	EE	SCHÖLKOPF, BERNHARD et al., "Kernel Principal Component Analysis," Advances in Kernel Methods – Support Vector Learning, MIT Press (1999), pp. 327-352.	
KY	FF	SCHÖLKOPF, BERNHARD et al., "Nonlinear Component Analysis As A Kernel Eigenvalue Problem," Neural Computation (1998), Vol. 10, pp. 1299-1319.	
KY	GG	SWETS, DANIEL L. et al., "Hierarchical Discriminant Analysis for Image Retrieval," IEEE Transactions on Pattern Analysis and Machine Intelligence (May 1999), Vol. 21, No. 5, pp. 386-401.	

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Sheet	4	of	4

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